



20

Attorney's Docket No. 6601P019X2

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

Emir Gurer et al.

Application No.: 09/895,786

Filed: June 30, 2001

For: Method Of Uniformly Coating
A Substrate

Mail Stop Petition

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Examiner: Picardat, Kevin M.

Art Unit: 2822

RECEIVED

MAR 18 2004

OFFICE OF PETITIONSINFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on March 12, 2004.

(Date of Deposit)

Claire Walters

(Typed or printed name of person mailing correspondence)

Claire Walters 3/12/2004

(Signature of person mailing correspondence)

has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

03/17/2004 AMNDADF1 00000033 09895786

02 FD:1806

180.00 OP

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

_____ 37 C.F.R. §1.97(b).

X 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:

_____ A statement pursuant to 37 C.F.R. §1.97(e) or

X A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

_____ 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

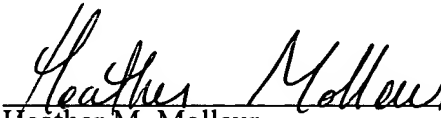
- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

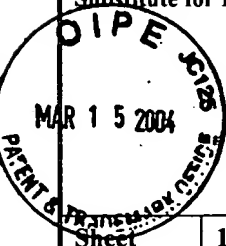
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 3/12, 2004


Heather M. Molleur
Reg. No. 50,432

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025
(408) 720-8300

Substitute for Form 1449/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Application Number	09/895,786
			Filing Date	06/30/2001
			First Named Inventor:	Emir Gurur
			Art Unit	2822
			Examiner Name	Picardat, Kevin M.
			Attorney Docket Number	6601P019X2
Sheet	1	of 3		



U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)				
		US-	3,198,657	08-03-1965	Kimball et al.	
		US-	4,551,355	11-05-1985	Ericson et al.	
		US-	5,985,363	11-16-1999	Shiau et al.	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

RECEIVED

MAR 18 2004

OFFICE OF PETITIONS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
		JP	3-22428		01-30-1991	NEC Kyushu Ltd.		X
		JP	4-332116		11-19-1992	Mitsubishi Electric Corp.		X
		JP	8-168715		07-02-1996	Dainippon Screen Mfg. Co. Ltd.		X
		JP	63-301520		12-08-1988	NEC Corp.		X
		WO	98/57757		12-23-1998	Massachusetts Institute of Technology		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	09/895,786	RECEIVED
Filing Date	06/30/2001	
First Named Inventor:	Emir Gurer	MAR 18 2004
Art Unit	2822	
Examiner Name	Picardat, Kevin M.	OFFICE OF PETITIONS
Attorney Docket Number	6601P019X2	

Sheet 2 of 3

NON PATENT LITERATURE DOCUMENTS

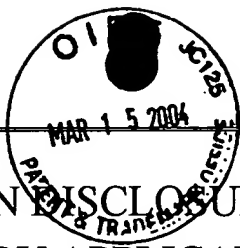
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		BAGEN, SUSAN, ET AL., Extrusion Coating of Polymer Films for Low-Cost Flat Panel Display Manufacturing, 1996 Display Manufacturing Technology Conference, Digest of Technical Papers, pgs. 35-36 (1996).	
		BORNSIDE, DAVID, E., ET AL., The effects of gas phase convection on mass transfer in spin coating, Journal of Applied Physics, Vol. 73, No. 2, January 15, 1993, pgs. 585-600, © 1993 American Institute of Physics.	
		BORNSIDE, D.E., ET AL., On the Modeling of Spin Coating, Journal of Imaging Technology, Volume 13, Number 4, August 1987, pgs. 122-130, © 1987, SPSE – The Society for Imaging Science and Technology.	
		COHEN, ET AL., Modern Coating And Drying Technology, Chapter 4, Premetered Coating, pgs. 117-167, VCH Publishers, Inc., (1992).	
		DERKSEN, JAMES, ET AL., Extrusion-Spin Coating: An Efficient Photoresist Coating Process for Wafers, 1999 IEEE International Symposium On Semiconductor Manufacturing Conference Proceedings, (ISSM'99) Santa Clara, CA., October 11-13, 1999, IEEE International Symposium On Semiconductor Manufacturing, New York, NY, October 11, 1999, pages 245-248, XP000933095.	
		EMSLIE, ALFRED G., ET AL., Flow of a Viscous Liquid on a Rotating Disk, Journal Of Applied Physics, Vol. 29, No. 5, May 1958, pgs. 858-862.	
		FRAYSSE, NATHALIE, ET AL., An experimental study of rivulet instabilities in centrifugal spin coating of viscous Newtonian and non-Newtonian fluids, Physics of Fluids, Vol. 6, No. 4, April 1994, pgs. 1491-1504, © 1994 American Institute of Physics.	
		GUTOFF, EDGAR B, ET AL., Coating and Drying Defects, Troubleshooting Operating Problems, Chapter V, pgs. 96-138, A Wiley-Interscience Publication, John Wiley & Sons, New York Chichester Brisbane Toronto Singapore (1992).	
		GUTOFF, EDGAR B., Simplified Design of Coating Die Internals, Journal Of Imaging Science And Technology, Volume 37, Number 6, November/December 1993, pgs. 615-627, © 1993, I S & T – The Society for Imaging Science and Technology.	
		HAFIZI, B., Effects of carrier and dispersion on propagation of a directed electromagnetic pulse, Journal of Applied Physics, Vol. 73, No. 2, January 15, 1993, pgs. 513-521, © 1993 American Institute of Physics.	
		HIGGINS, B.G., ET AL., Capillary Pressure And Viscous Pressure Drop Set Bounds On Coating Bead Operability, Chemical Engineering Science, Vol. 35, pgs. 673-682, Pergamon Press Ltd. 1980, Printed in Great Britain.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known	
			Application Number	09/895,786
			Filing Date	06/30/2001
			First Named Inventor:	Emir Gurur
			Art Unit	2822
Examiner Name	Picardat, Kevin M.			
Attorney Docket Number	6601P019X2			
NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²	
		LAWRENCE, C.J., The mechanics of spin coating of polymer films, Physics of Fluids, Vol. 31, No. 10, October 1988, pgs. 2786-2795, © 1988 American Institute of Physics.		
		LEE, KWONG-YANG, ET AL., Minimum Wet Thickness In Extrusion Slot Coating, Chemical Engineering Science, Vol. 47, No. 7, pgs. 1703-1713, © 1992 Pergamon Press plc, Printed in Great Britain.		
		MEYERHOFER, DIETRICH, Characteristics of resist films produced by spinning, Journal of Applied Physics, Vol. 49, No. 7, July 1978, pgs. 3993-3997, © 1978 American Institute of Physics.		
		MUES, W., ET AL., Observation of a Dynamic Wetting Process Using Laser-Dopper Velocimetry, AIChE Journal, Vol. 35, No. 9, September 1989, pgs. 1521-1526.		
		RUSCHAK, KENNETH J., Limiting Flow In A Pre-Metered Coating Device, Chemical Engineering Science, 1976, Vol. 31, pgs. 1057-1060, Pergamon Press. Printed in Great Britain.		
		SUKANEK, PETER C., Spin Coating, Journal of Imaging Technology, Volume 11, Number 4, August 1985, pgs. 184-190, © 1985, Society of Photographic Scientists and Engineers.		
		BIXLER, NATHAN EPHRAIM, Stability Of A Coating Flow, PhD Dissertation submitted to the University of Minnesota, June 1982.		
		SARTOR, LUIGI, Slot coating: Fluid mechanics And die design, PhD Dissertation submitted to the University of Minnesota, September 1990.		
		Search Report for PCT/US 02/05187 mailed 11/6/2002, 5 pages.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.